

# CMPT 280

## Topic 2: Regression Testing

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# References

- Textbook, Chapter 2

# Exercise 1

- Generate test cases for the `insertFirst` method of our `LinkedList` class using the black-box method.
- Generate test cases for the `insertFirst` method of our `LinkedList` class using the white-box method.

## Exercise 2

- Generate test cases for the `insertFirst` method of our `ArrayList` class using the black-box method.
- Generate test cases for the `insertFirst` method of our `ArrayList` class using the white-box method.

## Exercise 3

- Implement the tests for the `LinkedList` class.

## Exercise 4

- Generate and implement test cases for the `ArrayedList` class.
- Observations:
  - Since the interfaces are largely the same, we should be able to re-use much of our testing code from `LinkedList`.
  - Will need extra test cases because the list can become "full".

## What's next?

- Next lecture: abstraction of iteration over elements in a container data structure.
- Formalize notion of "position" of an element
- Standard interface for iteration.
- **Next class reading:** Chapter 3 of textbook.